

GSTIN: 24DCAPP9328H1ZG

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UMA PHARMATECH MACHINERY

The Feature Of Biotech

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Customer Detail

Cutomer name			
Company Name			
Mobile No			
Email Id			
Address			
GST Number	-		
OFFER NUMBER	upm-23-24-8110-1-350L-Eop	Date	30-07-23

Description	Technical Specification	Qty	Prize(Rs.)
350L(Total Volume) Fermente-1 hp motor- 9 kw or 12 KW Inbuilt Heating System	Annexture 1	1 Nos	Ask Prize
Air Pressure Control In Vessel in Process Mode			
Air Flow Control Through Rotameter			
Automatic Temperature Control In Process Mode(Cooling Water Circulation & Cooling Tower is In Buyer Scope)			
SS Filter Housing Set With 0.2 Microne PP Plated Filter Cartridge		2 set	
Oil Free Air Compressor(2 hp)	Annexture 2	1 Nos	
Common Control Panel BOX with Microprocessor Based Control System		1 Nos	

Additional Advance Features

Ph Measurement System -(Sterizable Ph Electrode(Imported) 120mm Long WithSS Housing+ 3 Meter Cable+ Transmitter)		1 Set	Extra
Peristaltic Pump (Fixed Dosing Speed)(Cmes With Glass Bottle+ PTFE Vent Filter+ 3 Meter Silicon Tube)(Generally 4 set Require (Acid-Base-Innoculation-Nurrition/Antifoam)		1 Set	Extra
Automatic Ph Control (Plc Based)System(Specialized For Fermenter)		1 Nos	Extra
VFD Drive For Agitator Speed Control		1 Nos	Extra
Do(Dissolve Oxygen) Sensor Eith Transmitter		1 Set	Extra

Optional Utility

Electric Steam Boiler 18KW With Automatic Feed Water	Annexture 3	1 Nos	Extra
Chiller 0.5 Tr	Annexture 4	1 Nos	Extra
SS Skid For Connecting Utilities With Fermenter at Different Point		1 Nos	Extra

Commercial Terms and Condition	
Prize Basis	Ex Factory Ahmedabad
Packing	1%Extra
Freight & Insurance	By Purchase
GST	Eatra as applicable at the time of dispatch, preseently GST 18%
Pipe line	All Pipeline , Tubing and Electrical Work In Buyer Scope
Installation	By customer at their site(Extra By Us After Completion Of Pipeline and Electric Work)(Free Video Calling Support)
Payment	60% Advance and Balance Against Proforma Invoice Before Dispatch

Annexture 1			
Fermenter Vessel Details			
Total Volume(Litter)	350(Approx.)		
Diameter(mm)	600		
Straight Height(mm)	1250		
shell(cylindrical)	3 mm thk ss 316		
Jacket	3 mmthk SS 304		
Top	Body Flange		
Bottom	Dished end(10% torispherical)		
leg	mild steel		
Baffle Recommendation(Off Wall)	4 Nos @ 90 Degree		
manhole	No		
Top Glass	100mm(Vision 50mm)		
Front Glasas	100mm(Vision 50mm)		
Inner Finish	Mirror Finish		
Outer finish	Matt Finish		
Nozzles-Standard suitable - Nipple			
Total Height	to be confirmed		
Design Criteria			
Viscosity	100 cP	SG	1.1
Pressure	FV to 3kg/cm2	Temp	130 deg C
Mechanical Detail			
Sealing	Stuffing Box		
Gearbox (Elmech)	Worm Gearbox		
Motor HP (Elmech)	1	NFLP, 4 Pole, Flanged, 3 Ph, 415 V, 50 Hz,	
Impeller Type (From bottom)	Ruston Turbine	Ruston Turbine	
Impeller Blade	6 Blade	6 Blade	
Agitator Details			
MOC Contact Parts	SS 316	Shaft Diameter	35 mm
MOC Non-CP	MS/CS	Shaft Speed(RPM)	144
Air Flow Control	Rotameter(30 LPM)	Speed Controlling	-
Scope of Supply	Design, manufactur, supply of UPM make agitator assembly. Which includes impeller blades with hub, shaft, lantern assembly with bearing housing etc.		
Scope of Buyer	Installation in scope of buyer (Electricity,Insulation, Water, Drain Line, Valves and Fittings and Clamp)		

Annexture 2			
MODEL	2 HP OIL FREE (IMPORTED)	Working Pressure (KG/CM2)	8
Free Air Delivery (CFM)	6.5	Air Receiver (LTRS.)	50
Motor (H.P)	2	Electrical Condition	230 Volts / 1 Phase / 50 Hz

Annexture-3 (Optional)			
Electric Steam Generator			
Capacity	18kw	Capacity(steam output)	22 kg/hr
Design Pressure:4kg/cm2	6 kg/cm2	Maximum Operating Pressure:	4kg/cm2
Power Supply:	440V/50Hz/Ac	SS Safety Valve(Mechanical Spring Type)	Adjustable
Base Structurex	MS	Material of construction of Shell(Chamber-35L):	MS
Insulation	Glass Wool	Temperature Sensor	PT100
Pressure Switch	Den Force kp 36	Pressure Guage	Jel Filled Dial Type
Controlling	Micro Processor Based Temperature Control With Digital Display		
Water Level	Automatic Feed Water System		

Note: In Case Of Purchase Steam Boiler (Inbuilt Heating System Not Comes in Fermenter)

Annexture 4(Optional)			
Capacity	0.5 Tr	Medium To Be Cool	Water
Tank	15L	inlet Tempetature In Chiller	35 Degree Celcius
Power Consumption	0.5 kw	Outlet Temperature From Chiller	15 Degree Celcius
Refrigerent	R-22	Water Pump	0.25HP

General @ Technical Terms and Condition

FORCE MAJEURE Every effort will be made to deliver the goods within stipulated delivery period, but we take no responsibility for any delay occasioned by reasons beyond our control, known as 'Force Majeure'. Delayed delivery will not entitle the customer for cancellation of contract. No claim for refund of deposits / advance or damages will be entertained in such cases.

JURISDICTION Irrespective of where the material goes or what is mentioned in the purchase order, disputes, if any, shall be subject to Pune jurisdiction only.

WARRANTY We warranty the instruments against only manufacturing defects during 12 months from date of sale subject to our detailed warranty terms & conditions sent with the material. No other Guarantee / Warranty will be binding on us. Under no circumstances we will be responsible to anybody for any type of consequential liability/ loss of public property/ loss of life due to any reasons whatsoever i.e. public/ product is not within the purview of this warranty The warranty does not cover perishable items like pH / ION / DO / Chlorine / Conductivity & other Sensors, all semiconductor devices, Fuse, Transistor, Electrical / Mechanical/ Rubber Parts like Electric Motors, Switches, Contactors, Thermostats, Heaters, Diaphragms, "O" Ring, etc., Thruster Module, Batteries, PZT Crystals, etc & other imported components etc. The Performance of the Sensor / Electrode will be drastically affected if integral cable is cut or damaged. Guarantee / Manufacturing defect clause is not applicable in such case. The Performance / Life of pH Electrode/ Sensor will get affected by presence of HF, Solvents, and Aromatic compounds, Highly Acidic / Alkaline Medium. We will not be responsible for

Electronic Goods/ Heater/ Controllers/ Motors/ Panel Board Electrical goods and any accident or damage caused by improper handling, misuse or non-maintenance of the machine or accessories. No Warranty for Movable items as they are subjected to wear and tear due to usage and operator's handling. No claim for Shortage, Damage, Breakage etc., will be entertained after the goods leave our premises.

REJECTION CLAUSE: If you're good self / representative fails to arrive for Final Inspection, then it will be considered that the offered machine perfectly fits in with your needs and is devoid of any manufacturing regards ever in future. Machine / goods once sold would not be taken back. . Any laboratory equipments in customer's scope of supply.. All statutory approvals to be obtained by customer. Any other items which are not mentioned in our offer is in customers' scope.

DEMURRAGE CHARGES: Any delay from the client's end in depositing Balance Payment after machine readiness information is passed onto him, then in such scenario we will charge 2% demurrage charges per month on the balance amount.

ERECTION & COMMISSIONING: If required, then technician's service charges, to and fro ticket charges, plus lodging / boarding charges will be charged extra. Main Switch, Starter and extension wirings for electric motor are not provided with the Order. All Spare Parts can be made available on chargeable basis, whenever required. Dispatch charges Extra.